

## ABSTRACT OF THE DISCLOSURE

A light beam detection device includes a light-receiving element for receiving a light beam and outputting  
5 a detection signal. A light detection circuit generates and  
outputs a light-emission signal based on the detection  
signal. A light-emitting element emits light based on the  
light-emission signal. The light-receiving element and the  
light-emitting element are arranged on a detection member.  
10 A supporting member supports the detection member. A  
driving device moves the supporting member in a  
reciprocative manner in an X axis direction and a Y axis  
direction to form a detection region with the detection  
member. The light-emitting means forms an afterimage on the  
15 detection region when the light beam irradiates the  
detection region.